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Substitute for form 1449A/PTO (Modified by BSTZ 6/30/99)				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/767,279
				Filing Date	January 22, 2001
				First Named Inventor	Hawley K. Rising, III
				Group Art Unit	2122
				Examiner Name	Unassigned
Sheet	1	of	6	Attorney Docket Number	80398P342

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FOREIGN PATENT DOCUMENTS							
Examiner Initials *		Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Translation? Yes/No <small>(Date of Pub)</small>
		Office or Country	Number	Date			

OTHER DOCUMENTS			
Examiner Initials *	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published (if known).	Translation? Yes/No	Examiner Initials
JM.N	Anderson, J.R., "Arguments Concerning Representations for Mental Imagery", Psych. Rev. Vol. 85, No. 4, July, 1978, pgs. 249-277.	No	
JM	Arnold, V.I., "Geometrical Methods in the Theory of Ordinary Differential Equations", Table of Contents, New York, Springer-Verlag, 1983, pgs. 5.	No	
	Barth, E., et al., "Image Encoding, Labeling, and Reconstruction from Differential Geometry", CVGIP, June 1992, pgs. 428-445.	No	
	Beutelspacher, A., et al., "Projective Geometry From Foundations to Applications", New York, Table of Contents, Cambridge University Press, 1998, pgs. 3.	No	
JM.N	Blum, L., et al., "Complexity and Real Computation", Table of Contents, New York, Springer-Verlag, 1997, pgs. 12.	No	

Examiner Signature	<i>[Signature]</i>	Date Considered	7/30/03
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Application Number	09/767,279
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Group Art Unit	2122
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Sheet	2	of	6
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gk/h	Bolker, E.D. "The Finite Radon Transform", Integral Geometry, R.L. Bryant, et al., AMS Contemporary Mathematics, Vol. 63, 1984, pgs. 27-50.	No		
	Buekenhout, F., "Handbook of Incidence Geometry", Table of Contents, New York, North Holland, Elsevier, 1995, pgs. 24.	No		
	Carroll, S.M., et al., "Construction of Neural Nets Using the Radon Transform", ICNN, Vol. 1, 1989, pgs. 607-611.	No		
	Diaconis, P., "Projection Pursuit for Discrete Data", Technical Report No. 198, Department of Statistics, Stanford University, April 1983, pgs. 1-28.	No		
gk/h	Edelman, S., "Representation, Similarity and the Chorus of Prototypes", Minds and Machines, February 1995, pgs. 45-68.	No		

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gm.n.		Helgason, S., "Groups and Geometric Analysis", Table of Contents, New York, Academic Press, 1984, pgs. 8.	Kunze, A.	No
		Ito, Y., "Representations of Functions by Superpositions of a Step or Sigmoid Function and Their Applications to Neural Network Theory", Neural Networks, Vol. 4, No. 3, 1991, pgs. 385-394.	Saito, S. et al.	No
		Kawakami, S., et al., "A Cell Model for the Detection of Local Image Motion on the Magnocellular Pathway of the Visual Cortex", Vision Research, Vol. 36, No. 1, 117-147, 1996.	Wang, Y.	No
		Kung, J.P.S., "Reconstructing Finite Radon Transforms", Nuclear Physics B (Proc. Supl.), Vol. 5A, September 1988, pgs. 44-49.		
gm.n.		Kosslyn, S.M., "Image and Brain" Cambridge, Massachusetts, MIT Press, 1994, pgs. 34.		No

Examiner Signature	<i>Michael</i>	Date Considered	7/30/01
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ghh	Kurusa, A., "The Radon transform on half sphere" Acta Sci. Math. (Szeged), Vol. 53, Nos. 1-4, 1993, pgs. 143-158.				NO
	Matus, F., et al., "Image Representations via a Finite Radon Transform" IEEE Trans. PAMI, Vol. 15, No. 10, October 1993, pgs. 996-1006.				NO
	Meyer, Y., "Wavelets Algorithms and Applications", Philadelphia, SIAM Press, 1993, Table of Contents, pgs. 10.				NO
	Okamoto, H., "MT neurons in the macaque exhibited two types of bimodal direction tuning as predicted by a model for visual motion detection" Vision Research 39, 1999, pgs. 3465-3479.				NO
ghh	Poggio, T., et al., "On the Representation of Multi-Input Systems: Computational Properties of Polynomial Algorithms" Biological Cybernetics, Vol. 37, No. 3, July 1980, pgs. 167-186.				NO

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AMH	Ramm, A.G., et al., "The Radon Transform and Local Tomography", Table of Contents, New York, CRC Press, 1996, pgs. 10	NO
	Rising, H.K., "Creating a Biologically Plausible Model of Recognition which Generalizes Multidimensional Scaling" SPIE, Vol. 3644, Human Vision and Electronic Imaging IV, Rogowitz, B. E., et al., January 1999, pgs. 411-420.	
	Rising, H.K., "Deriving and combining biologically plausible visual Processes with the Windowed Radon Transform" SPIE Proc. Vol. 3299, Human Vision and Electronic Imaging III, Rogowitz, B. E., et al., January 1998, pgs. 519-525.	
	Rising, H.K., "Assessing the Similarity of Mechanisms in Motion and Color Processing for Synchronization of Visual Pathways", SPIE, Vol. 3016, Human Vision and Imaging II, Rogowitz, B.E., et al., February 1997, pgs. 302-312.	
AMH	Rolls, E.T., et al. "Neural Networks and Brain Function", New York: Oxford University Press, Preface and Table of Contents, 1998, pgs. 5.	NO

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<i>[Signature]</i>	7/30/03

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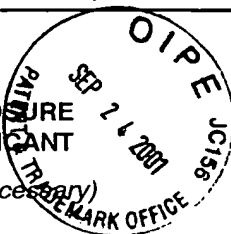
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

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Attorney Docket Number	80398P342

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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OTHER DOCUMENTS

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Shepard	Shepard, D., "Optimizing the Delivery of Radiation Therapy to Cancer Patients", SIAM Review, Vol. 41, No. 4, 1999, pgs. 721-744.	NO
	Sieglmann, H.T., et al., "On the Computational Power of Neural Nets", Proceedings of the 5th ACM Workshop on Computational Learning Theory, July 1992, pgs. 440-49.	
	Vvedenskaya, N.D., et al., "Discrete Radon Transform and Image Reconstruction" Mathematical Problems in Tomography., Gelfand, I.M., et al., AMS, Vol. 81, 1990, pgs. 141-188.	
	Wallis, W.D., "Combinatorial Designs", Table of Contents, New York, Marcel Dekker, 1988, pgs. 10.	
Zeki	Zeki, S., "A Vision of the Brain", Table of Contents, Boston, Blackwell Scientific Publications, 1994, pgs. 5.	NO

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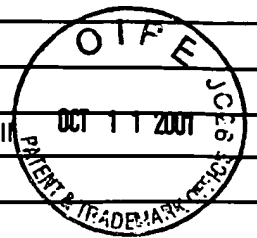
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Sheet 1 of 2	Attorney Docket Number 80398P342			



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h h	International Search Report, PCT/US01/02430, pgs. 4.	NO
	RISING, "Inversion Processes in the Human Visual System", Proceedings of SPIE, Vol. 3959 (2000), Sony MediaSoft Lab, U.S. Research Labs, San Jose, CA, pp. 400-408.	
	ALBANESI, "Thresholding Wavelets for Image Compression", 1998, IEEE, University of Pavia, Dipartimento di Informatica e Sistemistica, pgs. 374-389.	
	AHMED, et al., "Application of Multi-Layer Neural Networks to Image Compression", 1997 IEEE, International Symposium on Circuits and Systems, June 9-12, 1997, Hong Kong, pgs. 1273-1276.	
g n	MEIR, et al., "Stochastic Approximation by Neural Networks Using the Radon and Wavelet Transforms", 1998 IEEE, Department of Electrical Engineering, Israel, pgs. 224-232.	NO

Examiner Signature	<i>Michael Hill</i>	Date Considered	7/31/03
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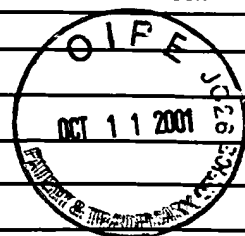
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Amh	CARROLL, et al., "Construction of Neural Nets Using the Radon Transform", Department of Electrical Engineering, Princeton University, IJCNN International Joint Conference On Neural Networks, June 19-22, 1989, pgs. 6.	NO
T	KHUWAJA, et al., "Fingerprint Image Compression", Physics Department, Kuwait University, IEEE, pp. 517-526.	1
Amh	FANGHANEL, et al., "Optimizing Wavelet Transform Coding Using a Neural Network", 1997 IEEE, Universitat der Bundeswehr Hamburg, pgs. 1341-1343.	NO

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M.H.		5,311,600		Aghajan, et al. 382/156	5/1994	

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		Office ³	Number ⁴	Kind Code ⁵ (If known)				
M.H.		PCT	US01 02426		Sony Electronics, Inc. ~/-	11-03-2002		no

Examiner Signature: <i>Mike Kelp</i>	Date Considered: <i>7/31/03</i>
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First Named Inventor:	Rising, III.
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Group Art Unit	2121
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Examiner Name	Bell.
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OTHER ART - NO PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		Sahiner, et al., "Interactive Inversion of the Radon Transform : Using Image-Adaptive Wavelet Constraints to Improve Image Reconstruction", IEEE Engineering in Medicine and Biology, Sept. 1996, Vol. 15, Issue 5, pp.112-117.	
		Calzone, et al., "Video Compression by Means-Corrected Motion Compensation of Partial Quadrees ", IEEE Transactions on Circuits and System for Video Technology, Vol.7, No.1, Feb. 1997, pp.86-96.	
		Hsung, et al., "The Wavelet Transform of Higher Dimension and the Radon Transform ", 1995 International Conference on Acoustics, Speech and Signal Processing, May 1995, Vol.2, pp.1113-1116.	
		Warrick, et al., "A Wavelet Localized Radon Transform Based Detector for a Signal with Unknown Parameters", 1995 Conference Record of the 29 th Asilomar Conference on Signals, Systems and Computers, Oct. 1995, Vol.2, pp.860-886.	
		Rashid-Farrokhi, et al., "Localized Wavelet Based Computerized Tomography", Proceedings of the Intl. Conference on Image Processing, Oct. 1995, Vol.2, pp.445-448.	
		Meir, et al., "Stochastic Approximation by Neural Networks Using the Radon and Wavelet Transforms", Proceedings of the 1998 IEEE Signal Processing Society Workshop, Aug. 1998, pp.224-233.	
		Rashid-Farrokhi, et al., "Wavelet-Based Multiresolution Local Tomography", IEEE Transactions on Image Processing, Vol.6, No.10, Oct. 1997, pp. 1412-1430.	
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Examiner Signature		Date Considered	12/11/03
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Substitute for Form 1449A/PTO (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known	
		Application Number	09/767,279
		Filing Date	1/22/01
		First Named Inventor:	Rising, III.
		Group Art Unit	2121
		Examiner Name	Bell, M.
		Attorney Docket Number	80398.P342

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g.h.s.		Rodenas, et al., "A New Automatic Internal Wave Detection and Characterization Method for SAR Images", OCEANS '98 Conference Proceedings, Sept. 1998, Vol.2, pp.613-618.	
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